

A few of

**R. HOE & Co.'s**

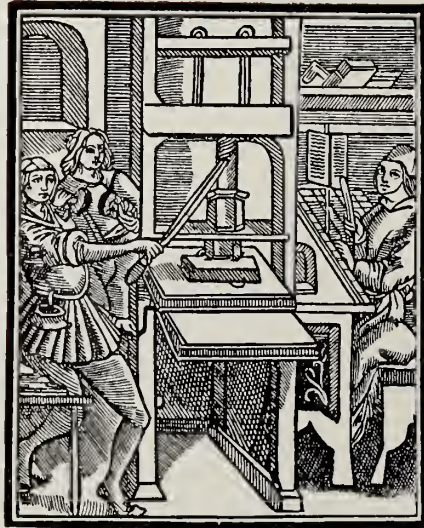
**Newspaper Perfecting Presses**

with

**Fast-Speed Rotary Folders**

and the

**Latest Patented Improvements**



THE EARLIEST FORM OF  
PRINTING PRESS

## Presses of Many Designs

**W**E manufacture Printing Machines of all designs known to the newspaper world, including the X-Pattern, Straight-Line, Central Folder, Angle-Bar, Combination Newspaper and Color, and many other forms of construction. We make them high or low, wide or narrow, condensed or extended, fast speed or ordinary speed, as best suits the needs of different offices.

Our regular double-width Quadruple, Sextuple and Octuple Presses, as well as our single-width Two-Roll, Three-Roll and Four-Roll machines, need no introduction, having been for many years printing the leading newspapers throughout the world. The object of this circular is to call attention to some of our special designs, which, although not so well known as the others, are used in many prominent offices.

Our aim is to meet the requirements of our customers and at the same time, by constant improvement, make our machines not only the best in existence, but as near perfection as it is possible to attain.

## Latest Practical Improvements

They all embody the latest practical improvements and conveniences for economical operation, combined with the well-known Hoe qualities of strength and durability. All have the reserve strength and backbone necessary for high speed and long life and can be added to without danger when greater output is required.

## Always in the Lead

All the essentials to good printing and folding at high speed, without which the modern newspaper press would be an impossibility, were originated, patented and perfected by us. Among these are the following:

1. **The Triangular "Former" and Tapeless Folding and Delivery Mechanisms**, which first made possible the rapid folding and delivery of newspapers.
2. **The "Staggering" of the Stereotype Plates on the Cylinders**, without which it is impossible to obtain a uniform impression or to run a double-width press at fast speed without "jumping" of the rollers.
3. **Reversible Cylinder Principle**, by which a certain number of the printing cylinders are caused to rotate in either direction and thereby print on either side of the web, in black or colors.
4. **New Style V Paper Brakes and Automatic Spring-Tension Device** for equalizing the strain on the paper rolls.
5. **Folding Cylinders made with Adjustable Segments** for regulating the relative position of the folding blades to the cutting sticks, to ensure accuracy in the folding.
6. **Milled Rollers with Adjustable Spring-Seated Propellers at the Top of the Folder**, to enable the easy regulation and proper control of the tension on the webs of paper.
7. **The Collecting Cylinder with Sheet-holding Pins**, for collecting and associating two or more sections in one paper.
8. **The Transverse Collector**, making possible the production of papers of four sections or two sections of an uneven number of pages.

9. **Adjustable Nipping Rollers** for drawing sheets through the folder.
10. **Movable "Former Carriages"** for adjusting centre fold on run.
11. **The Rotating Fan**, for rapid and positive delivery of the folded papers.
12. **Counting Device**, for separating papers on the delivery in batches of any required number, by projecting one paper ahead of the others.
13. **The Rotating Internal Gear Folding Blade Motion**; also **Cam Motions** for operating folding blades in folding cylinders.
14. **Bars for Associating Sheets** to form many-paged papers.
15. **Rotary Wire Stapling Devices** for fast machines.
16. **Tubular Construction of Cylinders.**

We were also the leaders in:

**Double-width (or Four-page-wide) Presses of Modern Type with Columns Around the Cylinders.**

**Supplement Insetting Presses.**

**Fast Color Printing Machines.**

**Combined Newspaper and Color Printing Machines.**

**Fast Machines for Fine Illustrated and Half-tone Printing.**

**Association of Covers with the Products from Web Presses and Delivering them Together in Book Form.**

Further particulars of the machines shown herein, or of others to meet any conditions, will be gladly furnished on application to

**R. HOE & CO., 504-520 Grand Street, New York, N. Y.**

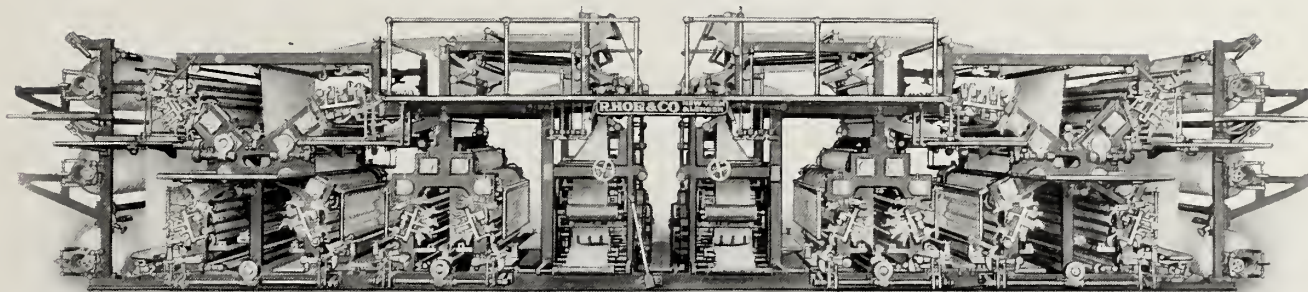
Also at 7 Water Street, Boston, Mass.; 143 Dearborn Street, Chicago, Ill.; 109-112 Borough Road, London, S. E., England;  
8 Rue de Chateaudun, Paris, France.

## Among the Many Points of Superiority of Hoe Presses are the following—

1. Strength, durability and mechanical accuracy in construction.
2. Simplicity, symmetry and compactness of design.
3. Economy, efficiency and reliability in performance.
4. Greatest perfection and variety of product, at the highest speed, with the minimum of waste, wear and tear.
5. Facility and safety of operation.
6. Smoothness and lightness of running.
7. Freedom from complicated mechanisms, consequently less wear, less repairs and less trouble in running.
8. Accessibility of the press portions and folders, from all sides, and of the inking motions and various other working parts.
9. Convenience for plating, handling paper rolls and making adjustments, particularly of the form and vibrating rollers.
10. Shortest possible and most uniform run of the various webs of paper, ensuring equal tension and the best results.
11. Superior ink distribution and improved mechanism for throwing off the inking rollers. The rollers can be washed in their places or lifted out without disturbing the adjustment of the roller sockets.
12. Special adaptability to enlargement by the addition of other printing sections.



## X-Pattern Double Sextuple Newspaper Press



### GUARANTEED CAPACITY PER HOUR

With Four Folders and Four Deliveries :

144,000 4, 6, 8, 10 or 12 Pages, Inset.

108,000 14 or 16 Pages, Inset,

72,000 18, 20, 22 or 24 Pages, Inset.

72,000 16, 20 or 24 Pages, Collected.

54,000 28 or 32 Pages, Collected,

36,000 36, 40, 44 or 48 Pages, Collected.

Can be run independently as two Sextuples or as a Four-Roll, a Five-Roll or a Six-Roll unit.

# R. Hoe & Co.'s X-Pattern Decuple Newspaper Press

With New Lightning Folders, Patent Tubular Cylinders  
and Other Improvements

The Latest and Best in Printing Press Construction

This is a Five-Roll Machine, one end being a complete Sextuple Press, the other end a complete Quadruple Press, either of which can be run independently of the other, or the two in combination, or they can be run together as a five-roll or a four-roll unit. The two printing portions are placed end to end, with four fast-speed folders between them.

The Patented Central Folder design saves thirty per cent. floor space, and the highest point from the floor is only nine feet.

With our new Lightning Folders and Patented Tubular construction of all Cylinders, together with other improvements embodied in this machine, we are able to guarantee any speed which paper, ink, composition rollers and other conditions will permit.

The press can be used with or without angle bars. The ink fountains, plate cylinders and other parts are most accessible.

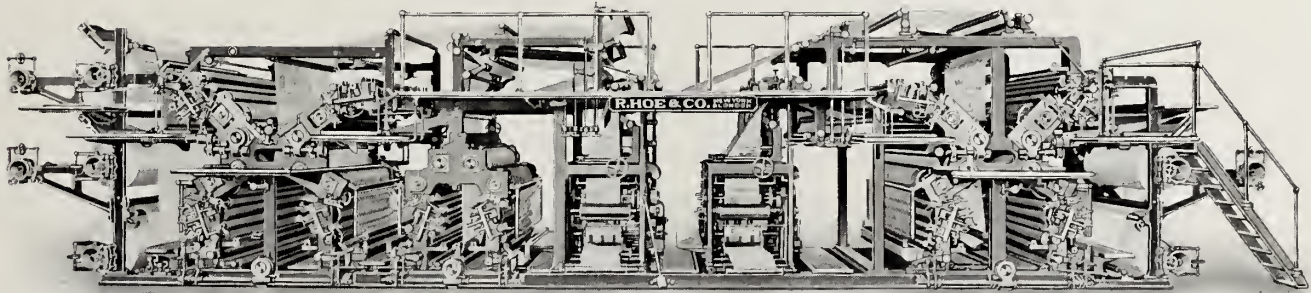
After a careful investigation of different machines, twelve of these presses were ordered by W. R. Hearst for his various newspapers.

When desired, can be made a Six-Roll Machine, or a combination of two Sextuples, which can be run independently or as a four-roll, a five-roll or a six-roll unit.

One of the great advantages of the Central Folder Press is its adaptability to enlargement and the fact that either a Quadruple or Sextuple end can be installed first and additional printing sections added when required.



## X-Pattern Decuple Newspaper Press



### GUARANTEED CAPACITY PER HOUR

(No sheet passing over a bar):

144,000 4, 6, 8 or 10 Pages, Inset.

108,000 12 Pages, Inset.

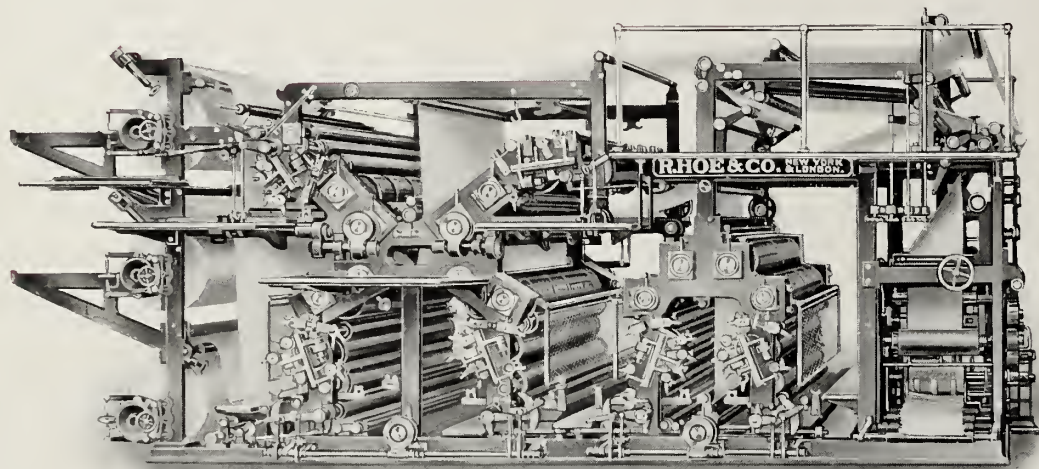
72,000 14, 16, 18 or 20 Pages, Inset.

72,000 16 or 20 Pages, Collected.

54,000 24 Pages, Collected.

36,000 28, 32, 36 or 40 Pages, Collected.

## X-Pattern Sextuple Newspaper Press with New Lightning Folders

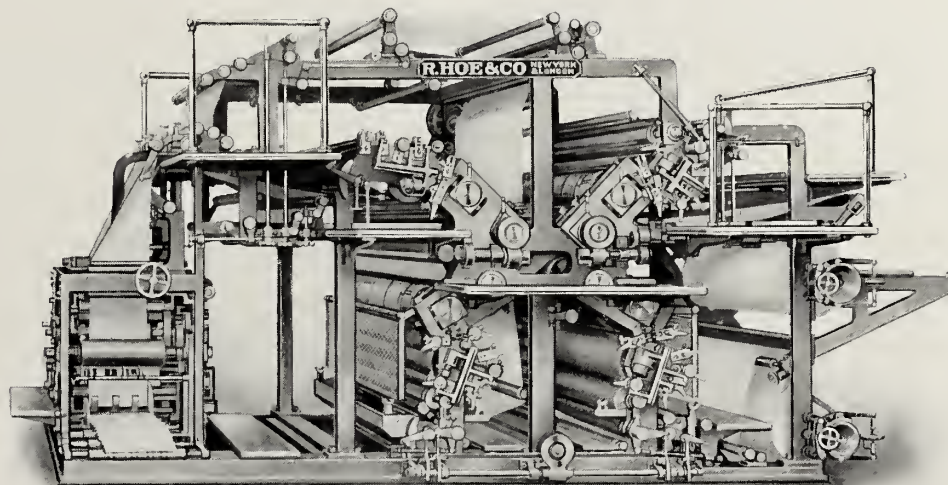


### GUARANTEED CAPACITY PER HOUR:

72,000 4, 6, 8, 10 or 12 Pages, All Inset.	36,000 14, 16, 18, 20, 22 or 24 Pages, All Inset.
54,000 16 Pages (36,000 Inset, 18,000 Collected).	36,000 16, 20 or 24 Pages, Collected.
18,000 28, 32, 36, 40 or 48 Pages, Collected.	

Another printing section can be readily added at any time, as shown in the illustration on page 9.

## X-Pattern Quadruple Newspaper Press with New Lightning Folders



### GUARANTEED CAPACITY PER HOUR:

72,000 4, 6 or 8 Pages, All Inset.

36,000 12 or 16 Pages, Collected.

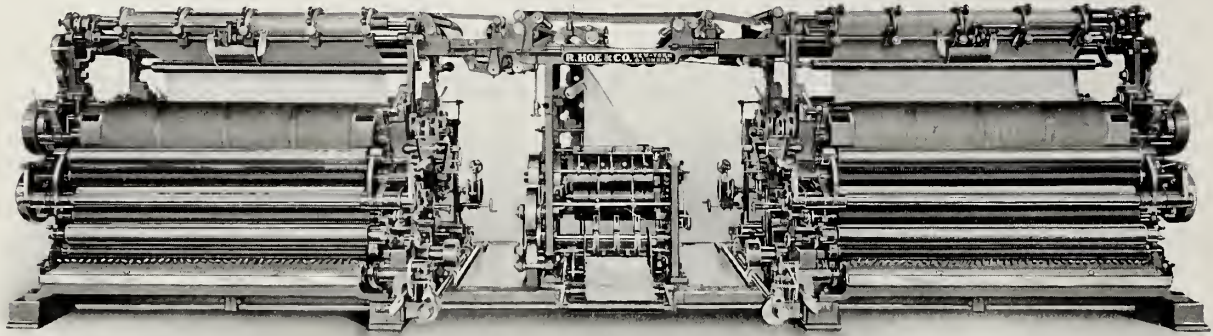
36,000 10, 12, 14 or 16 Pages, All Inset.

18,000 20, 24, 28 or 32 Pages, Collected.

Another printing section can be readily added at any time, as shown in the illustration on page 9.

# Linear Quadruple Newspaper Press with New Lightning Folder

## Patented Central Folder Design



Height only 6 feet 6 inches.

### GUARANTEED CAPACITY PER HOUR

(Four Plates Wide and from One Delivery):

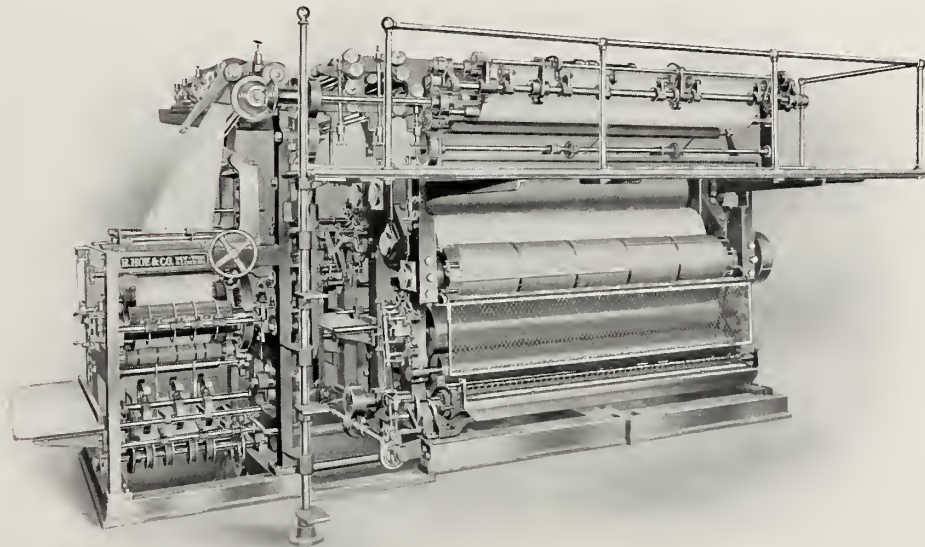
36,000 Papers of 4, 6, 8, 10, 12, 14 or 16 Pages, All Inset in One Section.

18,000 Papers of 16, 20, 24, 28 or 32 Pages, Composed of Two Collected Sections.

When made 5 pages wide this Press will also produce 18-, 22-, 36- and 40-page papers.



## Single-Roll 20-Page Newspaper Press with New Lightning Folder



Height only 6 feet 6 inches. Instead of one long roll of paper two narrow rolls can be used.

GUARANTEED CAPACITY PER HOUR: 36,000 Papers of 4, 6, 8 or 10 Pages, All Inset in One Section.  
18,000 Papers of 12, 16 or 20 Pages, Composed of Two Collected Sections.

Another printing section can be readily added at any time, as shown in the illustration on page 12.

## Dependable

Hoe machines can always be depended upon, and outlive and outwork all others, because every part is made with the utmost accuracy and from the best materials obtainable. Our experience of over one hundred years in the manufacture of Printing Machinery, together with the largest and best equipped manufacturing plant in the world for the purpose, enables us to turn out presses that cannot be equaled elsewhere. They possess qualities of reliability, efficiency and durability which are impossible to obtain in any cheaply constructed imitations, which may last for a few years, but are in the end an expensive luxury, made possible only by the use of our devices for which the patents have expired. Eliminate from newspaper printing machines of any other make the many features originated, patented and perfected by R. Hoe & Co. and they have little to show in the way of originality, except cheapness of construction.

Our presses have always led, and still lead the way more than ever before, as evidenced by the fact that they are used by the great majority of the leading publishers throughout the world.

**Get the Best—It Saves Worry and is Cheapest in the End**



## R. HOE & CO.'S LONDON WORKS



Borough Road, Earl, Dantzic, Mansfield and  
Steelman Streets,  
LONDON, S. E., ENGLAND.



**R. HOE & CO.'S NEW YORK WORKS.**  
**Principal Offices, 504-520 Grand Street, New York, N. Y.**

The Largest  
Manufactory  
in the  
World of  
Machinery



For Printing  
Stereotyping  
Electrotyping  
and  
Photo-Engraving

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